Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

- **BC-523, BC-523A**

Product Name

- Liquid Scintillator

Synonyms

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)

- Liquid Scintillator

1.3 Details of the supplier of the safety data sheet

Manufacturer

- Luxium Solutions
- 17900 Great Lakes Parkway Hiram, OH
  44234-9681
  United States
  www.luxiumsolutions.com

Telephone (General)

- 440-834-5600

1.4 Emergency telephone number

Contract # 6493674

U.S. & Canada • 1-800-255-3924 – VelocityEHS

International • +1-813-248-0585 – VelocityEHS

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

2.1 Classification of the substance or mixture

CLP

- Flammable Liquids 2 - H225
  Skin Irritation 2 - H315
  Eye Irritation 2 - H319
  Acute Toxicity Inhalation 4 - H332
  Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
  Carcinogenicity 2 - H351
  Hazardous to the aquatic environment Chronic 2 - H411

2.2 Label Elements

CLP

DANGER

Hazard statements

- H225 - Highly flammable liquid and vapour
  H315 - Causes skin irritation
  H319 - Causes serious eye irritation
  H332 - Harmful if inhaled
  H335 - May cause respiratory irritation
  H351 - Suspected of causing cancer.
  H411 - Toxic to aquatic life with long lasting effects

Precautionary statements

Prevention

- P201 - Obtain special instructions before use.
  P202 - Do not handle until all safety precautions have been read and understood.
  P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  P233 - Keep container tightly closed.
  P240 - Ground and/or bond container and receiving equipment.
  P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
  P242 - Use only non-sparking tools.
  P243 - Take precautionary measures against static discharge.
  P261 - Avoid breathing mist, vapours and/or spray.
  P264 - Wash thoroughly after handling.
  P271 - Use only outdoors or in a well-ventilated area.
  P273 - Avoid release to the environment.
  P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P370+P378 - In case of fire: Use appropriate media for extinction.
  P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P312 - Call a POISON CENTER/doctor if you feel unwell.
  P302+P352 - IF ON SKIN: Wash with plenty of water.
  P362+P364 - Take off contaminated clothing and wash it before reuse.
  P321 - Specific treatment, see supplemental first aid information.
  P332+P313 - If skin irritation occurs: Get medical advice/attention.
  P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P337+P313 - If eye irritation persists: Get medical advice/attention.
  P308+P313 - IF exposed or concerned: Get medical advice/attention.
  P391 - Collect spillage.

Storage/Disposal

- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
  P235 - Keep cool.
  P405 - Store locked up.
  P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Supplemental information

- 0 - 66.9 percent of this product consists of an ingredient of unknown toxicity.

2.3 Other Hazards

CLP

- If trimethyl borate is swallowed, it is believed that it will cause methanol poisoning. Some symptoms are nausea, abdominal pain, headache, shortness of breath, visual disturbances, blindness, coma and death.
  According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Flammable Liquids 2
  Skin Irritation 2

Eye Irritation 2
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Germ Cell Mutagenicity 2
Carcinogenicity 2
Reproductive Toxicity 2
Specific Target Organ Toxicity Repeated Exposure 1

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements

- Highly flammable liquid and vapour
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of causing genetic defects.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

- Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Keep container tightly closed.
Ground and/or bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe mist, vapours and/or spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

- In case of fire: Use appropriate media for extinction.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash before reuse.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.

Storage/Disposal

- Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012

- If trimethyl borate is swallowed, it is believed that it will cause methanol poisoning. Some symptoms are nausea, abdominal pain, headache, shortness of breath, visual disturbances, blindness, coma and death. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada
According to: WHMIS 2015

2.1 Classification of the substance or mixture

WHMIS 2015

- Flammable Liquids 2
  Skin Irritation 2
  Eye Irritation 2
  Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
  Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
  Germ Cell Mutagenicity 2
  Carcinogenicity 2
  Reproductive Toxicity 2
  Specific Target Organ Toxicity Repeated Exposure 1

2.2 Label elements

WHMIS 2015

DANGER

Hazard statements

- Highly flammable liquid and vapour
  Causes skin irritation
  Causes serious eye irritation
  May cause respiratory irritation
  May cause drowsiness or dizziness
  Suspected of causing genetic defects.
  Suspected of causing cancer.
  Suspected of damaging fertility or the unborn child.
  Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

- Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  Keep container tightly closed.
  Ground and bond container and receiving equipment.
  Use explosion-proof electical/ventilating/lighting/ equipment.
  Use non-sparking tools.
  Take action to prevent static discharges.
  Do not breathe mist, vapours and/or spray.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Wear protective gloves/protective clothing/eye protection/face protection.

Response

- In case of fire: Use appropriate media for extinction.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  Call a POISON CENTER/doctor if you feel unwell.
  IF ON SKIN: Wash with plenty of water.
  Take off contaminated clothing and wash it before reuse.
  Specific treatment, see supplemental first aid information.
  If skin irritation occurs: Get medical advice/attention.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  If eye irritation persists: Get medical advice/attention.
  IF exposed or concerned: Get medical advice/attention.
  Get medical advice/attention if you feel unwell.

Storage/Disposal

- Store in a well-ventilated place. Keep container tightly closed.

Keep cool.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

WHMIS 2015

- If trimethyl borate is swallowed, it is believed that it will cause methanol poisoning. Some symptoms are nausea, abdominal pain, headache, shortness of breath, visual disturbances, blindness, coma and death.
In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Boric acid, trimethyl ester	**CAS:**121-43-7 **EC Number:**204-468-9 **EU Index:**005-005-00-1	< 60%	NDA	**EU CLP:** Annex VI, Table 3.1: Flam. Liq. 3, H226; Acute Tox. 4*, H312 **OSHA HCS 2012:** Flam. Liq. 3; Acute Tox. 4 (skn); Eye Irrit. 2 **WHMIS 2015:** Flam. Liq. 3; Acute Tox. 4 (skn); Eye Irrit. 2	NDA
1,2,4-Trimethylbenzene	**CAS:**95-63-6 **EC Number:**202-436-9 **EU Index:**601-043-00-3	> 30%	Ingestion/Oral-Rat LD50 • 5 g/kg Inhalation-Rat LC50 • 18000 mg/m³ 4 Hour (s)	**EU CLP:** Annex VI, Table 3.1: Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit. (inhl), H335; Aquatic Chronic 2, H411 **OSHA HCS 2012:** Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Narc; STOT SE 3: Resp. Irrit. (inhl); Asp. Tox. 1 **WHMIS 2015:** Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Narc; STOT SE 3: Resp. Irrit. (inhl); Asp. Tox. 1	NDA
Proprietary	*Proprietary*	< 7%	Ingestion/Oral-Rat LD50 • 490 mg/kg Skin-Rabbit LD50 • >20 g/kg	**EU CLP:** Annex VI, Table 3.1: Acute Tox. 4, H302; Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 **OSHA HCS 2012:** Flam. Sol. 2; Acute Tox. 4 (Oral); Skin Irrit. 2; Muta. 2; Carc. 2; Repr. 2; STOT SE 3: Narc.; STOT RE 1 (Blood, Eyes - Oral, Inhl) **WHMIS 2015:** Flam. Sol. 2; Acute Tox. 4 (Oral); Skin Irrit. 2; Muta. 2; Carc. 2; Repr. 2; STOT SE 3: Narc.; STOT RE 1 (Blood, Eyes - Oral, Inhl)	NDA
Other Aromatics	*Proprietary*	< 1%	NDA	**EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified **WHMIS 2015:** Not Classified	NDA

See Section 16 for full text of H-statements.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin
- Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
- Do NOT induce vomiting. Give vegetable oil demulcents. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- Alcohol resistant foam, carbon dioxide, dry chemical, or water spray.

Unsuitable Extinguishing Media
- Solid water stream.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
  Containers may explode when heated.
  Vapor explosion hazard indoors, outdoors or in sewers.
  Many liquids are lighter than water.
  Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
  Runoff to sewer may create fire or explosion hazard.
  Vapors may form explosive mixtures with air.
  Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products
- Emits toxic fumes of carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection.
  Wear positive pressure self-contained breathing apparatus (SCBA).
  Move containers from fire area if you can do it without risk.
  LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.
  Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Take proper precautions to minimize exposure by using appropriate personal protective equipment. Do not walk through spilled material.

Emergency Procedures
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for

800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Use clean non-sparking tools to collect absorbed material.
A vapor suppressing foam may be used to reduce vapors.
All equipment used when handling the product must be grounded.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Use only in well ventilated areas. Keep away from heat, sparks, and flame. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapors, or spray. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Containers of this material may be hazardous when empty since all emptied containers retain product residues.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed. Store in a cool, dry, well-ventilated place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	**ACGIH**	**Canada British Columbia**	**Canada Manitoba**	**Canada New Brunswick**	**Canada Northwest Territories**
Proprietary (Proprietary)	STELs	Not established	15 ppm STEL	Not established	15 ppm STEL; 79 mg/m3 STEL	15 ppm STEL
	TWAs	10 ppm TWA	10 ppm TWA	10 ppm TWA	10 ppm TWA; 52 mg/m3 TWA	10 ppm TWA

Exposure Limits/Guidelines (Con't.)						
	Result	**Canada Nova Scotia**	**Canada Nunavut**	**Canada Ontario**	**Canada Quebec**	**Canada Yukon**
Proprietary (Proprietary)	TWAs	10 ppm TWA	10 ppm TWA	10 ppm TWA	10 ppm TWAEV; 52 mg/m3 TWAEV	10 ppm TWA; 50 mg/m3 TWA
	STELs	Not established	15 ppm STEL	15 ppm STEL	15 ppm STEV; 79 mg/m3 STEV	15 ppm STEL; 75 mg/m3 STEL

Exposure Limits/Guidelines (Con't.)						
	Result	**China**	**Denmark**	**Finland**	**France**	**Germany DFG**
Proprietary (Proprietary)	STELs	75 mg/m3 STEL	Not established	Not established	Not established	Not established
	TWAs	50 mg/m3 TWA	10 ppm TWA; 50 mg/m3 TWA	1 ppm TWA; 5 mg/m3 TWA	10 ppm TWA [VME]; 50 mg/m3 TWA [VME]	Not established
1,2,4-Trimethylbenzene (95-63-6)	TWAs	Not established	20 ppm TWA; 100 mg/m3 TWA	20 ppm TWA; 100 mg/m3 TWA	20 ppm TWA [VME] (restrictive limit); 100 mg/m3 TWA [VME] (restrictive limit)	Not established
	STELs	Not established	Not established	Not established	50 ppm STEL [VLCT] (restrictive limit); 250 mg/m3 STEL [VLCT] (restrictive limit)	Not established
	Ceilings	Not established	Not established	Not established	Not established	40 ppm Peak (all isomers, listed under Trimethylbenzene); 200 mg/m3 Peak (all isomers, listed under Trimethylbenzene)
	MAKs	Not established	Not established	Not established	Not established	20 ppm TWA MAK; 100 mg/m3 TWA MAK

Exposure Limits/Guidelines (Con't.)						
	Result	**Germany TRGS**	**Greece**	**Hungary**	**Ireland**	**Italy**
Proprietary (Proprietary)	TWAs	0.1 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed; sum of vapor and aerosol, inhalable fraction, exposure factor 1); 0.5 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed; sum of vapor and aerosol, inhalable fraction, exposure factor 1)	10 ppm TWA; 50 mg/m3 TWA	50 mg/m3 TWA [AK]	10 ppm TWA; 50 mg/m3 TWA	Not established
	STELs	Not established	Not established	Not established	15 ppm STEL; 75 mg/m3 STEL	Not established
1,2,4-	TWAs	20 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 100 mg/m3 TWA AGW (The risk	25 ppm TWA; 125 mg/m3 TWA	100 mg/m3 TWA [AK]	20 ppm TWA; 100 mg/m3 TWA	20 ppm TWA Media Ponderata nel Tempo; 100 mg/m3 TWA Media Ponderata nel

Trimethylbenzene (95-63-6)		of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)				Tempo
	STELs	Not established	Not established	Not established	60 ppm STEL (calculated); 300 mg/m3 STEL (calculated)	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Netherlands	NIOSH	OSHA	Poland	Portugal
Proprietary (Proprietary)	STELs	80 mg/m3 STEL	15 ppm STEL; 75 mg/m3 STEL	Not established	50 mg/m3 STEL [NDSCh]	15 ppm STEL [VLE-CD]
	TWAs	50 mg/m3 TWA	10 ppm TWA; 50 mg/m3 TWA	10 ppm TWA; 50 mg/m3 TWA	20 mg/m3 TWA [NDS]	10 ppm TWA [VLE-MP] (indicative limit value); 50 mg/m3 TWA [VLE-MP] (indicative limit value)
1,2,4-Trimethylbenzene (95-63-6)	TWAs	100 mg/m3 TWA	25 ppm TWA; 125 mg/m3 TWA	Not established	100 mg/m3 TWA [NDS]	20 ppm TWA [VLE-MP] (indicative limit value); 100 mg/m3 TWA [VLE-MP] (indicative limit value)
	STELs	200 mg/m3 STEL	Not established	Not established	170 mg/m3 STEL [NDSCh]	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Spain	Sweden
Proprietary (Proprietary)	STELs	15 ppm STEL [VLA-EC]; 80 mg/m3 STEL [VLA-EC]	15 ppm Indicative STLV; 80 mg/m3 Indicative STLV
	TWAs	10 ppm TWA [VLA-ED]; 53 mg/m3 TWA [VLA-ED]	10 ppm LLV; 50 mg/m3 LLV
1,2,4-Trimethylbenzene (95-63-6)	TWAs	20 ppm TWA [VLA-ED] (indicative limit value); 100 mg/m3 TWA [VLA-ED] (indicative limit value)	25 ppm LLV; 120 mg/m3 LLV
	STELs	Not established	35 ppm Indicative STLV; 170 mg/m3 Indicative STLV

Exposure Control Notations

China

•Proprietary (Proprietary): **Skin:** (Skin notation)

Portugal

•Proprietary (Proprietary): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen) | **Skin:** (skin - potential for cutaneous exposure)

Hungary

•Proprietary (Proprietary): **Skin:** (potential for cutaneous absorption)

France

•Proprietary (Proprietary): **Carcinogens:** (Carcinogen category 2)

Spain

•Proprietary (Proprietary): **Skin:** (skin - potential for cutaneous exposure)

ACGIH

•Proprietary (Proprietary): **Carcinogens:** (A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans) | **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)

Germany TRGS

•Proprietary (Proprietary): **Skin:** (skin notation)

Germany DFG

•1,2,4-Trimethylbenzene (95-63-6): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)
•Proprietary (Proprietary): **Carcinogens:** (Category 2 (considered to be carcinogenic for man)) | **Skin:** (skin notation)

Exposure Limits Supplemental
ACGIH
•Proprietary (Proprietary): **BEIs:** (Time: end of shift Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis (nonquantitative, nonspecific)) | **TLV Basis - Critical Effects:** (cataract; upper respiratory tract irritation; hemolytic anemia)
Germany TRGS
•1,2,4-Trimethylbenzene (95-63-6): **BELs:** (400 mg/g Medium: urine Time: end of shift Parameter: Dimethylbenzoic acid (sum of all isomers after hydrolysis; measured as mg/g Creatinine); 400 mg/g Medium: urine Time: end of several shifts Parameter: Dimethylbenzoic acid (sum of all isomers after hydrolysis; measured as mg/g Creatinine; for long-term exposures))

8.2 Exposure controls

Engineering Measures/Controls
- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Explosion proof exhaust ventilation should be used.

Personal Protective Equipment

Respiratory
- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face
- Wear chemical splash safety goggles. A full face shield may also be necessary.

Skin/Body
- Wear appropriate gloves. Wear chemical resistant apron or full body suit.

Environmental Exposure Controls
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
BEI = Biological Exposure Indices
LLV = Limit Level Value is the exposure limit for 8-hour work day
MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
STEL = Short Term Exposure Limits are based on 15-minute exposures
STEV = Short Term Exposure Value
TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Colorless liquid with sharp odor.
Color	Colorless	Odor	Sharp
Odor Threshold	Data lacking		
General Properties			
Boiling Point	156 °F(68.8889 °C)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	= 0.93 Water=1	Water Solubility	Decomposes
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			

Vapor Pressure	132 mmHg (torr) @ 77 °F(25 °C)	Vapor Density	> 1 Air=1
Evaporation Rate	> 1 n-Butyl Acetate = 1		
Flammability			
Flash Point	1.1 °C(33.98 °F) TCC (Tagliabue Closed Cup)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid contamination, excessive heat, contamination, sparks, open flames, or other sources of ignition.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- May form toxic substances such as carbon dioxide, and carbon monoxide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Boric acid, trimethyl ester (< 60%)	121-43-7	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 6140 mg/kg; Skin-Rabbit LD50 • 1980 µL/kg; **Irritation:** Eye-Rabbit • 500 mg • Moderate irritation
1,2,4-Trimethylbenzene (> 30%)	95-63-6	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 5 g/kg; Inhalation-Rat LC50 • 18000 mg/m³ 4 Hour(s); **Multi-dose Toxicity:** Inhalation-Rat TCLo • 20 mg/m³ 16 Week(s)-Continuous; *Kidney, Ureter, and Bladder*:**Other changes in urine composition**; Inhalation-Rat TCLo • 100 ppm 6 Hour(s) 20 Day(s)-Intermittent; *Behavioral*:**Changes in motor activity (specific assay)**; *Behavioral*:**Analgesia**; *Behavioral*:**Alteration of operant conditioning**
		Acute Toxicity: Ingestion/Oral-Rat LD50 • 490 mg/kg; Ingestion/Oral-Mouse TDLo • 158 mg/kg; *Brain and Coverings*:**Other degenerative changes**; *Liver*:**Other changes**; *Biochemical:Metabolism (intermediary)*:**Lipids, including transport**; Inhalation-Human TCLo • 250 mg/m³; *Sense Organs and Special Senses:Eye*:**Lacrimation**; *Behavioral*:**Headache**; Skin-Rabbit LD50 • >20 g/kg; Unreported-Guinea Pig LD50 • 1200 mg/kg; *Behavioral*:**Somnolence (general depressed activity)**; **Irritation:** Skin-Rabbit • 0.05 mL 24 Hour(s) • Severe irritation; **Multi-dose Toxicity:** Ingestion/Oral-Rat TDLo • 500 mg/kg 10 Day(s)-Intermittent; *Behavioral*:**Sleep**; *Lungs, Thorax, or Respiration*:**Dyspnea**; Ingestion/Oral-Rat TDLo • 4500 mg/kg 10 Day(s)-Intermittent; *Brain and Coverings*:**Other degenerative changes**;

Proprietary (< 7%)	*Proprietary*	**Mutagen:** Specific locus test • Inhalation-Rat • 30 ppm 13 Week(s)-Intermittent; Micronucleus test • Unreported Route-Human • Lymphocyte (Somatic cell) • 30 mg/L; **Reproductive:** Ingestion/Oral-Mouse TDLo • 2400 mg/kg (7-14D preg); *Reproductive Effects:Effects on Newborn*:**Live birth index**; *Reproductive Effects:Effects on Newborn*:**Viability index (e.g., # alive at day 4 per # born alive)**; Ingestion/Oral-Rat TDLo • 4500 mg/kg (6-15D preg); *Reproductive Effects:Effects on Embryo or Fetus*:**Fetotoxicity (except death, e.g., stunted fetus)**; *Reproductive Effects:Specific Developmental Abnormalities*:**Other developmental abnormalities**; **Tumorigen / Carcinogen:** Inhalation-Mouse TCLo • 30 ppm 6 Hour(s) 2 Year(s)-Intermittent; *Tumorigenic*:**Neoplastic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Tumors**; Inhalation-Rat TCLo • 60 ppm 6 Hour(s) 105 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Sense Organs and Special Senses:Olfaction*:**Tumors**; Inhalation-Rat TCLo • 1575 mg/kg 105 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Sense Organs and Special Senses:Olfaction*:**Tumors**

GHS Properties	Classification
Acute toxicity	**EU/CLP** • Acute Toxicity - Inhalation 4 - ATEmix (inhl) = 1.5 mg/l 4 hr (dust/mist) **OSHA HCS 2012** • Data lacking **WHMIS 2015** • Data lacking
Skin corrosion/Irritation	**EU/CLP** • Skin Irritation 2 **OSHA HCS 2012** • Skin Irritation 2 **WHMIS 2015** • Skin Irritation 2
Serious eye damage/Irritation	**EU/CLP** • Eye Irritation 2 **OSHA HCS 2012** • Eye Irritation 2 **WHMIS 2015** • Eye Irritation 2
Skin sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking **WHMIS 2015** • Data lacking
Respiratory sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking **WHMIS 2015** • Data lacking
Aspiration Hazard	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking **WHMIS 2015** • Data lacking
Carcinogenicity	**EU/CLP** • Carcinogenicity 2; Suspected of causing cancer **OSHA HCS 2012** • Carcinogenicity 2 **WHMIS 2015** • Carcinogenicity 2
Germ Cell Mutagenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Germ Cell Mutagenicity 2 **WHMIS 2015** • Germ Cell Mutagenicity 2
Toxicity for Reproduction	**EU/CLP** • Data lacking **OSHA HCS 2012** • Toxic to Reproduction 2 **WHMIS 2015** • Toxic to Reproduction 2
STOT-SE	**EU/CLP** • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation **OSHA HCS 2012** • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation **WHMIS 2015** • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
STOT-RE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Specific Target Organ Toxicity Repeated Exposure 1 **WHMIS 2015** • Specific Target Organ Toxicity Repeated Exposure 1

Potential Health Effects

Inhalation

Acute (Immediate)
- Harmful if inhaled. May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)
- No data available

Skin

Acute (Immediate)
- Causes skin irritation.

Chronic (Delayed)
- No data available

Eye

Acute (Immediate)
- Causes serious eye irritation.

Chronic (Delayed)
- No data available

Ingestion

Acute (Immediate)
- No data available

Chronic (Delayed)
- No data available

Other

Chronic (Delayed)
- Chronic exposure of workers to a component of this product has been reported to cause cataracts and retinal hemorrhage, and damage to the blood.

Mutagenic Effects
- Repeated and prolonged exposure may cause mutagenic effects.

Carcinogenic Effects
- Repeated and prolonged exposure may cause cancer.

Carcinogenic Effects			
	CAS	IARC	NTP
Proprietary	Proprietary	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen

Reproductive Effects
- Repeated and prolonged exposure may cause reproductive effects.

Key to abbreviations

LC = Lethal Concentration
LD = Lethal Dose
TC = Toxic Concentration
TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

Components		
1,2,4-Trimethylbenzene (> 30%)	95-63-6	**Aquatic Toxicity-Fish:** 96 Hour(s) LC50 *Pimephales promelas (Fathead Minnow)* 7.72 mg/L **Aquatic Toxicity-Crustacea:** 48 Hour(s) EC50 *Daphnia magna (Water Flea)* 3.6063 mg/L
Proprietary (< 7%)	*Proprietary*	**Aquatic Toxicity-Fish:** 96 Hour(s) LC50 *Melanotaenia fluviatilis (Crimson-Spotted Rainbowfish)* 0.213 mg/L **Aquatic Toxicity-Crustacea:** 48 Hour(s) EC50 *Daphnia magna (Water Flea)* 136 mg/L 48 Hour(s) NOEC *Daphnia magna (Water Flea)* 0.1 mg/L **Aquatic Toxicity-Algae and Other Aquatic Plant(s):** 7 Day(s) NOEC *Scenedesmus subspicatus (Green Algae)* 4.15 mg/L

- Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1993	Flammable liquid, n.o.s. (Pseudocumene, trimethyl borate)	3	III	NDA
TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Pseudocumene, trimethyl borate)	3	III	NDA
IMO/IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Pseudocumene, trimethyl borate)	3	III	NDA
IATA/ICAO	UN1993	Flammable liquid, n.o.s. (Pseudocumene, trimethyl borate)	3	III	NDA

14.6 Special precautions for user
- None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
- Acute, Chronic, Fire

State Right To Know		
Component	**CAS**	**PA**
1,2,4-Trimethylbenzene	95-63-6	Yes
Boric acid, trimethyl ester	121-43-7	Yes
Proprietary	*Proprietary*	Yes
Other Aromatics	*Proprietary*	No

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**China**	**EU EINECS**	**EU ELNICS**
1,2,4-Trimethylbenzene	95-63-6	Yes	No	Yes	Yes	No
Boric acid, trimethyl ester	121-43-7	Yes	No	Yes	Yes	No
Proprietary	*Proprietary*	Yes	No	Yes	Yes	No
Other Aromatics	*Proprietary*	Yes	No	Yes	Yes	No

Inventory (Con't.)			
Component	**CAS**	**Korea KECL**	**TSCA**
1,2,4-Trimethylbenzene	95-63-6	Yes	Yes
Boric acid, trimethyl ester	121-43-7	Yes	Yes
Proprietary	*Proprietary*	Yes	Yes
Other Aromatics	*Proprietary*	Yes	Yes

Canada

Labor

Canada - WHMIS 1988 - Classifications of Substances

• Boric acid, trimethyl ester	121-43-7	B2
• *Proprietary*	*Proprietary*	B4, D2A
• 1,2,4-Trimethylbenzene	95-63-6	B3
• Other Aromatics	*Proprietary*	Not Listed

Canada - WHMIS 1988 - Ingredient Disclosure List

• Boric acid, trimethyl ester	121-43-7	1 %
• *Proprietary*	*Proprietary*	1 %
• 1,2,4-Trimethylbenzene	95-63-6	0.1 %
• Other Aromatics	*Proprietary*	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

China

Environment

China - Ozone Depleting Substances - First Schedule

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

China - Ozone Depleting Substances - Second Schedule

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

China - Ozone Depleting Substances - Third Schedule

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Other

China - Annex I & II - Controlled Chemicals Lists

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

China - Dangerous Goods List

• Boric acid, trimethyl ester	121-43-7	
• *Proprietary*	*Proprietary*	(crude or molten)
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Environment

Germany - TA Luft - Types and Classes

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed

• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Boric acid, trimethyl ester	121-43-7	ID Number 8556, hazard class 1 - low hazard to waters
• *Proprietary*	*Proprietary*	ID Number 269, hazard class 3 - severe hazard to waters
• 1,2,4-Trimethylbenzene	95-63-6	ID Number 3925, hazard class 2 - hazard to waters
• Other Aromatics	*Proprietary*	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	100 lb final RQ; 45.4 kg final RQ
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	0.1 % de minimis concentration
• 1,2,4-Trimethylbenzene	95-63-6	1.0 % de minimis concentration
• Other Aromatics	*Proprietary*	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	carcinogen, 4/19/2002
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	5.8 µg/day NSRL
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	
• 1,2,4-Trimethylbenzene	95-63-6	
• Other Aromatics	*Proprietary*	Not Listed
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances		
• Boric acid, trimethyl ester	121-43-7	Not Listed
• *Proprietary*	*Proprietary*	Not Listed
• 1,2,4-Trimethylbenzene	95-63-6	Not Listed
• Other Aromatics	*Proprietary*	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H226 - Flammable liquid and vapour
  H302 - Harmful if swallowed
  H312 - Harmful in contact with skin
  H400 - Very toxic to aquatic life
  H410 - Very toxic to aquatic life with long lasting effects

Revision Date

- 27/July/2023

Preparation Date

- 08/June/2017

Disclaimer/Statement of Liability

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

Key to abbreviations

NDA = No Data Available